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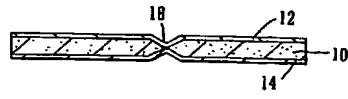
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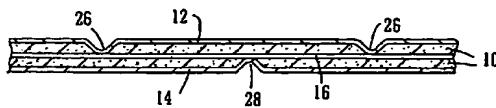
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(54) Title: WATERPROOFING MATERIAL



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(57) Abstract: Waterproofing material, as used to line ponds, lakes and landfill waste deposit sites, comprises a core layer (10) which incorporates swellable bentonite clay arranged between respective carrier layers (12, 14). In order to reduce relative slippage between the carrier layers (12, 14) and the core (10), the carrier layers (12, 14), which are preferably of polypropylene, polyethylene or PVC are connected to each other by ultrasonic welding along lines or at intervals. This may be either direct welding (18) of the layers (12, 14) to each other, or each layer (12, 14) may be welded (at 26) to a flexible perforate reinforcement (16) which is embedded in the core (10).

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